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NOTAE MYCOLOGICAE, SER. XXIX

Micromycetes Dakotenses et Utahenses a Doct. J. F. Brenckle Lecti et Communicati

P. A. SACCARDO

A. TELEOMYCETAE

1. **ROSELLINIA AMPHISPHAERIOIDES** Sacc. et Speg., Syll. I: 262,
F. Ital. fig. 588

Hab. in ramis putrescentibus *Ribis floridani*, Kulm, N. D., Oct., 1916 (1205).

Asci 100 \times 7-8, stip. 20-26 μ longis; sporidia 1-sticha 17-21 \times 7-8, fuliginea, senio longitrosum rimosa ut in *Anthostomate taeniosporo*. Esse potest forma, a loco sub cortice relaxato, deminuta et deformata, *R. mastoideae* Sacc.

2. **Rosellinia subsimilis** Sacc., sp. nov.

Péritheciis gregariis, subglobosis, minutis, nigris, glabris, 100-180 μ diam. brevissime papillatis; ascis filiformi-paraphysatis, cylindricis, subsessilibus, 89-90 \times 5.5-6, 8-sporis; sporidiis oblique monostichis e cylindraceo ellipsoideo-oblongis, saepius leviter inaequilateris, utrinque rotundatis, 12-14 \times 5-6, fuligineis.

Hab. in ramis decorticates emortuis *Crataegi* sp. Whitestone Gully,¹ N. D., Nov., 1916 (1188). Affinis *R. rimicola* differt sporidiis angustioribus subcylindraceis, etc.

3. **MELANOPSAMMA POMIFORMIS** (Pers.) Sacc., Syll. I: 575

Hab. in ramis putrescentibus *Corni stoloniferae*. Whitestone Gully,¹ N. D., Nov., 1916 (1185). Specimina immatura et non omnino certa.

4. **DIDYMELLA EUPYRENE** Sacc., Syll. I: 554

Hab. in caulis putrescentibus *Urticae gracilis*, Ft. Douglas, Utah, Majo, 1918 (53).

¹ Whitestone Gully extends from and lies east of the U. S. Monument of "Whitestone Battlefield" in Dickey County.

5. DIDYMELLA EFFUSA (Niessl) Sacc., Syll. I: 552

Hab. in caule emortuo *Artemisiae biennis*, Kulm, N. D., Sept., 1914 (632). Forma ascis 60-70 \times 7, sporidiis breviter fusoideis, 12-15 \times 4, plasmate bipartito 1-septatis, vix constrictis.

6. MELANOMMA MEDIUM Sacc. et Speg., Syll. II: 104

Hab. in ramis decorticatis putrescentibus *Sambuci glaucae*, Ft. Douglas, Utah, Apr., 1918 (70).

Asci 90-100 \times 14; sporidia disticha v. oblique 1-sticha, tereti-oblonga, utrinque rotundata, 22-25 \times 7-8, 3-septata, leviter constricta, dilute brunnea.

7. TEICHOSPORA SOLITARIA Ellis, Pyr. N. Amer., p. 214, *Cucurbitaria* Ell. Syll. II: 321.

Hab. in trunco decorticato et intemperie indurato *Atriplicis confertifoliae*, Grantville, Utah, Apr., 1918 (32).

Valde affinis est *T. oxytele* Sacc. et Briand. Syll. IX: 903. Berl. Jc. II, t. 74.

8. PLEOSPORA SHEPHERDIAE Peck., Syll. IX: 876

Hab. in ramis corticatis emortuis *Shepherdiae argenteae*, Whitestone Gully, N. D., Nov., 1918 (1192).

9. HYPOXYLON EFFUSUM Nits., Syll. I: 379

Hab. ad ligna putrescentia, Fort Riley, Kans., Oct., 1917 (101).

Phaeotrype Sacc., gen. nov. (Etym. quasi *Diatrype phaeospora*)

Stromata pulvinata, erumpenti superficialia, nigra, ostiolis vix exantibus punctulata; perithecia pauca monosticha, substantia discolori excepta. Asci breviter stipitati, octospori, aparaphysati (?). Sporidia allantoidea, majuscula, atro-olivacea. Est omnino *Diatrype* sed vere phaeospora.

10. **Phaeotrype Brencklei** Sacc., sp. nov.

Stromatibus gregariis, subsuperficialibus, peridermii lacinii basi cinctis, depresso pulvinatis, atro-nitidulis, 0.5 \times 0.7 mm.

diam., superficie levissime colliculosa et punctata; intus sordide albido, carnosulo; peritheciis 8-10 monostichis, globulosis, 0.3 mm. diam., ostioliis punctiformis, obtusis, integris; ascis fusoideis breviter stipitatis, 80-85 \times 8-9, octosporis; sporodiis distichis allantoideis curvis, utrinque rotundatis; 16-17 \times 3.5-4, atro-olivaceis, subnigricantibus.

Hab. in ramis corticatis emortuis *Rosae* sp., Whitestone Gully, N. Dak., Nov., 1916 (1198).

11. **Diatrype paurospora** Sacc., sp. nov.

Stromatibus gregariis, erumpenti-superficialibus, peridermo cinctis, pulvinatis, nigris, duris, fragilibus, superficie colliculosis v. rimosis, 1-2 mm. diam.; peritheciis paucis, globosis, 0.3 mm diam., substantia sorde grisea exceptis; ostioliis vix excedentibus obtusis; ascis fusoideis, apice rotundatis, 35-40 \times 7, subsessilibus, aparaphysatis (?), 2-4-sporis; sporodiis allantoideis, curvulis, utrinque rotundalis, 16 \times 4-5, hyalinis, vix chlorinis, tunica crassiuscula.

Hab. in ramis corticatis emortuis *Quercus utahensis* pr. Ft. Douglas, Utah, Jan., 1918 (12). Imprimis ascis tantum 2-4-sporis distinguenda species.

12. **EUTYPA SCABROSA** (Bull.) Fuck., Syll. I: 171

Hab. in ramis emortuis corticatis et decorticatis *Amelanchieris alnifoliae*, Whitestone Gully, Nov., 1916 (1199).

13. **EUTYPA LEIOPLACA** (Fr.) Cooke, Syll. I: 170

Hab. in ramis decorticatis emortuis *Amelanchieris alnifoliae*, Whitestone Gully, Nov., 1916 (1182). Socia adest forma diminuta *Calosphaeriae Principis*. Specimena *Eutypae* juvenilia et tunc dubium an potius *Eutypam latam* spectent.

14. **EUTYPELLA SARCOPHATI** Ellis et Ev., Syll. XIV: 484

Hab. in ramis corticatis *Sarcophati vermiculati*, Salt Lake pr. Grantville, Utah, Apr., 1918 (29). Superficieis ligni late mycelio atrata, hinc speciis ad *Eutypam nutat*.

15. *VALSA CORNICOLA* Cooke, Syll. I: 122

Hab. in ramis corticatis emortuis *Corni stoloniferae*, Whitestone Gully, N. D., Nov., 1916 (1184). Est forma minor.

16. *VALSA CINCTA* Fr., Syll. I: 142

Hab. in ramis corticatis *Amelanchieris?*, Whitestone Gully, Nov., 1916 (1183a).

17. *VALSA LEUCOSTOMA* (Pers.) Fr., Syll. I: 139

Hab. in ramis corticatis *Pruni melanocarpi*, Ft. Douglas, Utah, Jul., 1918 (85). Specimina non bene evoluta.

18. *Chorostate utahensis* Sacc., sp. nov.

Stromatibus erumpentibus, prominulis pulvinatis, 1.5 mm. diam., nigricantibus; peritheciis numerosis, monostichis, 0.3 mm. diam., globosis, ostiolis punctiformibus, vix extantibus; ascis cylindraceis apice rotundatis, ibique non v. vix lumine bifoveolatis, breviter stipitatis, 55-60 \times 7.3-8, aparaphysatis, octosporis; sporidiis oblique monostichis, oblongo-clavatis, curvatis, 12-14 \times 3-6, eguttulatis, hyalinis, constricto-1-septatis.

Hab. in ramis corticatis emortuis *Quercus utahensis*, Ft. Douglas, Utah, Majo, 1918 (94). Affinis *C. teiphaeiae*, differt sporidiis curvis, loculo super crassiore rotundato, ascis angustioribus, ostiolis abbreviatis.

19. *Diaporthe (Euporthe) Brenckleana* Sacc., sp. nov.

Peritheciis laxe gregariis, ligno immutato sed linea stromatica percurso immersis, globosis, 350-500 μ diam., contextu minute celluloso atro-olivaceo; ostiolis erumpentibus tereti-conicis parum extantibus; ascis fusoideis, apice rotundatis, 45-55 \times 8-9, aparaphysatis, octosporis; sporidiis oblique 1-stichis, cylindraceo-fusoideis, utrinque rotundatis, 14 \times 3.6, inaequaliter 4-guttulatis, hyalinis, leviter constrictis.

Hab. in ramis corticatis, interdum superficie atratis, *Corni stoloniferae*, Whitestone Gully, N. D., Nov., 1916 (1186). A *D. crassicoli* ostiolo omnino diverso, etc. secedit.

20. **FENESTELLA MINOR** Tul., Syll. II: 326

Hab. in ramis corticatis emortuis *Corni stoloniferae*, White-stone Gully, N. D., Nov., 1916 (1194). Asci 100-120 \times 10-12, p. spor. 80-85 μ longa, plerumque 4-spori; sporidia 6-10-septato-muralia, 25-30 \times 9-11, fuliginea; stromata valsea.

21. **Lachnum crystalligerum** Sacc., sp. nov. (mox endenda)

Hab. in ramis corticatis emortuis *Rubi parviflori*, Ft. Douglas, Utah, Jul., 1918 (81). Specimina non omnino matura.

22. **PYRENOPEZIZA RUBI** (Fr.) Rehm., Syll. VIII: 361

Hab. in ramis emortuis *Rubi strigosi*, Kulm, N. D., Sept., 1916 (1190).

23. **ORBILIA VINOSA** (A. et S.) P. Karst., Syll. VIII: 622

Hab. in lignis putridis pr. Anselm, N. D., Aug., 1916 (1072).

24. **CENANGIUM FURFURACEUM** (Roth.) De Not., Syll. VIII: 565

Hab. in ramis corticatis emortuis *Ceanothi velutini*, Ft. Douglas, Utah, Apr., 1918 (39). Probabiliter haec species, sed specimina imperfecta et tunc paullulum dubia.

25. **Patinella Brenckleana** Sacc., sp. nov.

Ascomatibus gregariis, subsuperficialibus, scutellatis, applanatis, 0.7-1 mm. diam., nigris, glabris, margine rectiusculo, acuto, disco plano intus flavidus, epithecio vero grumoso, atro-fulvo; ascis tereti-clavatis, apice rotundatis, deorsum sensim tenuato-stipitatis, 70 \times 11-12, octosporis; sporidis distichis, fusoideis, saepe leniter curvis, utrinque obtusatis, dilutissime flavidis, farctis; paraphysibus filiformibus, hyalinis.

Hab. in cortice *Amelanchieris alnifoliae*, Whitestone Gully, N. D., Nov., 1916 (1196). Affinis *P. inquinanti* a qua differt ascomate 1 mm. lato, disco plano, sporidiis paullo minoribus, paraphysibus aequalibus.

B. DEUTEROMYCETAE

26. **SPHAERONAEMA POLYMORPHUM** Auersw., Syll. III: 185

Hab. in ramis corticatis *Pruni melanocarpea*, Ft. Douglas, Utah, Nov., 1917 (4). Dicitur status pycnid. *Cenangellae vernicosae* (Fuck.) Sacc.

27. **DIPLODIA ABROTANI** Fuck., Syll. Syll. III: 369

Hab. in caulis emortuis *Artemisiae abrotani*, cultae, Kulm, N. D., Jan., 1917 (1207). Sporulae ovato-ellipsoideae, 20-24 \times 11, diu continuae (ut *Sphaeropsis*) denique obsolete 1-septatae, sporophora interdum in pseudoparaphyses 20-30 \times 1.5-2 hyalinis abeunt.

28. **Septoria Lunelliana** Sacc., sp. nov.

Pycnidii gregariis globoso-depressis, epidermide initio velatis, 180 μ diam. subastomis, dein late dehiscentibus et collabescentibus, extus nigricantibus; contextu fulvo-brunneo, celluloso; sporulis filiformibus, rectis v. curvulis, utrinque acutulis, 65-75 \times 2.3-2.5, hyalinis, obsolete-3-septatis, guttulatisque.

Hab. in foliis languidis expallentibus *Caricis atrostachya* pr. Leeds, N. D., Jul., 1915 (J. Lunell, n. 1206). A *Septoriis* cari- ciolis praecipue pycnidii contextu fulvescentibus, collabescentibus, sporulis aequalibus, obsolete 3-septatis dignoscitur.

29. **Melanconium botryosum** Sacc., sp. nov.

Acervulis erumpentibus, gregariis, nigris, peridermio laciniato cinctis, ob conidia expulsa et compacta superficie colliculoso- botryosis (sphaeriae-formibus); conidiis copiosissimis, globosis, levibus, 7-8 μ diam., ochraceo-fuligineis; conidiophoris papilliformibus, exiguis ex hypostromate celluloso, ochraeo-fusco orientibus.

Hab. in ramis corticatis emortuis *Pruni melanocarpea*, Ft. Douglas, Utah, Nov., 1917 (3). Typus singularis et vix *Melanconio* proximus, probabiliter gen. nov.

30. **Steganosporium utahense** Sacc., sp. nov.

Acervulis gregariis, subcutaneo-erumpentibus, sed non praeminentibus, 1 mm. diam., primo peridermio bullato tectis, dein ab

ejus laciniis pallidis cinctic, nigricantibus, subceraceis; conidiis polymorphis e globoso-angulosis, v. triangulis, v. gibbis, $24-31\ \mu$ diam., ex cellulis 3-10, botryoideo-conjunctis formatis, rufo-fuligineis; conidiophoris paliformibus saepe 1-septatis, subhyalinis, $28 \times 8-9$, ex hypostromate crasso distincte celluloso rufo-fusco oriundis.

Hab. in ramulis corticatis emortuis *Chrysanthamni nauseosi*, Ft. Douglas, Utah, Apr., 1918 (27). Affine *S. heterospermo* Vesterg sed acervulis initio epidermide albida pustulata tectis, dein cinctis, conidiis non foedantibus, conidiophoris distinctis paliformibus, etc. dignoscitur.

31. DENDRYPHIUM NODULOSUM Sacc., Syll. **IV**: 490.

Hab. in caulis emortuis putridis *Urticae gracilis*, Nyland's Grove, Lamoure County, N. D. (1181). Probabiliter *Helminthosporium interseminatum* B. et Br. vix differt.

32. EPOCHNIUM ISTHMOPHORUM Sacc., sp. nov. (mox endenda)

Hab. in caulis emortuis *Chrysanthamni nauseosi*, Ft. Douglas, Utah, Apr., 1918 (34). Genus *Epochnium* non tantum ad *Diplococcum* nutat sed et forte proprius ad *Bisporam*. Conidia isthmo saepius connexa, usque ad $20-24 \times 11-12$.

33. CYLINDROCOLLA URTICAE (Pers.) Bon., Syll. **IV**: 674.

Hab. in caulis *Urticae* emortuis, Ft. Douglas, Utah, Mayo, 1918 (54).

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